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ECONOMIC COMMISSION FOR ASIA AND THE FAR EAST

Committee for Coordination of Investigations
of the Lower Mekong Basin
(Cambodia, Laos, Thailand and the Republic of Viet-Nam)

PLAN OF OPERATION

THE SAMBOR INVESTIGATION PROJECT FOR DEVELOPMENT

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I. INTRODUCTION

1. In 1960 the Committee for Coordination of Investigations of the Lower Mekong Basin (hereinafter referred to as "the Committee") requested the countries concerned to provide their positive assistance in promoting the surveys of the selected sites for early development, namely, Pa Mong, Sambor and Tonle Sap, and further, at its Fourteenth Session held in May 1961, requested the Government of Japan to undertake the investigation of the Sambor Project.

2. In accordance with this request, the Government of Japan sent a preliminary investigation team for reconnaissance survey in October 1961, and further, in January 1962, a technical survey team to the Sambor site. The report on the above preliminary investigations was submitted to the Committee at its Nineteenth Session held at Vientiane in January 1963.

3. Prior to this, the Government of Japan stated its intention, at the Seventeenth Session of the Committee held in Tokyo in March 1962, to undertake further investigation for Sambor Development Project, and sent a first phase technical survey team in January 1963 to conduct field investigations. The first progress report was submitted to the Twenty-third Session of the Committee held in Bangkok in January 1964.

4. At the Twentieth Session of the Committee held in Manila in March 1963, the Government of Japan expressed its intention to continue the present Mekong Investigation Programmes. A second phase survey team was thus dispatched in October 1963 for conducting the field investigation. The second progress report was submitted to the Committee at its Twenty-sixth Session held in Saigon in January 1965.

5. At the Twenty-third Session of the Committee held in Bangkok in January 1964, the Government of Japan renewed its intention to continue the present Mekong Investigation Programmes, and carried out

/ the third phase

the third phase field investigations related to hydro-power, transmission line, power-market, navigation and irrigation from September 1964 to February 1965. After the compilation of the results obtained from the field investigations, the third progress report will be submitted to the Committee in November 1965.

6. The present document sets forth a plan of operation for the fourth phase investigation of the Sambor Development Project to be conducted in the wet-season (August to September 1965) and the dry-season (November 1965 to February 1966) by the Government of Japan in cooperation with the Committee and the Government of Cambodia. The actual work of the investigation is to be implemented by the Overseas Technical Cooperation Agency (OTCA) which is an executing agency of the Government of Japan.

II. GENERAL DESCRIPTION OF THE PROJECT

7. The interim report of the preliminary survey suggests that a dam, approximately 29 km in crest length and 36 m in height from the bedrock, be built at the downstream of Samboc Rapids assuming the constant high water level to be El. 40m, with power, navigation and irrigation facilities as appurtenaces.

8. The power produced at the Sambor Power Station, after the completion of the first stage of construction, will be 625,000 kW of maximum capacity and 4.6 billion kWh of annual output, and will be used not only for the general purposes in Cambodia and Viet-Nam but will serve in promoting the industrial development. Furthermore, the dam will contribute to navigation improvement and irrigation. Irrigable area is estimated at present approximately 67,000 ha.

/ III.

III. SCOPE OF WORK

9. The investigation project to be conducted under this plan of operation covers the following scope of work.

A. Project Investigation

(1) Agricultural Survey

As the Committee is preparing the map (1/20,000) for the irrigation planning of the Sambor Project, the survey of this year is also, similar to the previous year, to be confined to the land-use and water-use conditions, soil sampling, farmer's economy and farm management, and the proposed main irrigation canal.

B. Project Planning

(1) Investigation on Dam and Hydro-electric Power

a. Planning of the power generating project.
b. Design of the dam and the power plant.
c. Preparation of the construction schedule.
d. Estimation of the construction cost.
e. Study of the economic benefit.

(2) Investigation on Transmission Line

a. Design of the transmission and sub-station facilities.
b. Estimation of the construction cost.

(3) Investigation on Inland Navigation

a. Selection of the navigation canal route.
b. Design of the navigation facilities.
c. Estimation of the construction cost.
d. Study of the economic benefit.

(4) Agricultural Survey

a. Compilation and analysis of data and results obtained in the investigation.
b. Planning of the irrigation project.
c. Rough design of the irrigation facilities.
d. Rough estimation of the construction cost.
e. Study of the economic benefit.

C. Preparation of the Fourth Progress Report

/ IV.

IV. PRIVILEGES, IMMUNITIES AND FACILITIES

10. The Japanese members of the survey team to be organized for the Project (hereinafter referred to as "the Team") shall be entitled to the following privileges and immunities:

(a) Immunity from legal process in respect of all acts performed by them in the execution of the Project;
(b) Immunity from national service obligations;
(c) Immunity from immigration restrictions;
(d) The privilege of bringing into the country reasonable amounts of foreign currency for the purpose of the Project or for personal use of such members, and of withdrawing any such amounts brought into the country or, in accordance with the relevant foreign exchange regulations, such amounts as may be earned therein by such members in the execution of the Project;
(e) The same repatriation facilities in the event of international crisis as diplomatic envoys enjoy; and
(f) Inviolability of all papers and document relating to the Project

11. The Government shall either exempt or bear the cost of any taxes, duties, fees or levies which may be imposed by it on the Team or its Japanese members in respect of:

(a) The salaries, wages or allowances earned by such members in the execution of the Project;
(b) Any equipment, materials and supplies brought into the country in connection with the Project or which, after having been brought into the country, may be subsequently withdrawn therefrom; and

/ (c)

(c) Any property brought, including one privately owned automobile per person, by the Team or its members for their personal use or consumption or which, after having been brought into the country, may subsequently be withdrawn therefrom upon departure of such members. If despite this paragraph import duties are collected, then the Government making the collection shall make an equivalent cash payment to the team or the person concerned.

12. The privileges and immunities (except for the immunity in paragraph 10(b))to which the Team and its personnel are entitled may be waived by the Government of Japan, where, in its opinion, such privileges and immunities would impede the course of justice and can be waived without prejudice to the successful completion of the Project or to the interest of the Team.

13. In paragraph 11 of this chapter, "the Government" refers to either one or more of the Governments of Cambodia, Laos, Thailand and Viet-Nam to which the paragraph may become applicable in its context during the course of the execution of the Project. Similarly in the preceding paragraphs "the country" refers to either one or more of the territories of Cambodia, Laos, Thailand and Viet-Nam.

14. Subject to a separate arrangement the Committee shall take necessary measures to make available for the Team part of petroleum and other mineral oils contributed by the Government of Iran.

15. The Committee and the Government of Cambodia shall take all necessary steps to make available for the Team, in time of the execution of the Project, the data, materials and reports on collateral investigations and studies being carried out at present or proposed to be carried out in the future, including maps and aerial photographs.

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16. The Committee shall take necessary steps to provide the hydrologic data for Cambodia subsequent to the Lower Mekong Hydrologic Year Book for 1963 prepared by the Committee.

17. The Government of Cambodia shall provide the following:

(a) One engineer and one administrative officer for primarily liaison purpose.

(b) Free charge for ferry service and high priority for embarkation in the course of the investigation.

(c) Free use of a warehouse in Kratie for storage of equipments and materials.

(d) Free use of a garage in Phnom Penh for storage of vehicles and their spareparts.

(e) Free use of a ferry boat (with crews and fuel) of TP Kratie Office, whenever requested, in order to facilitate the transportation of personnel and materials in the river-crossing at Samboc (Kratie).

18. In case the following facility mentioned in the preceding paragraph 17 (d) is difficult to be provided, the Government of Cambodia shall provide, without delay after the plan of operation comes into effect, 36,000 Riels in cash as a counterpart contribution to the Embassy of Japan, Phnom Penh, so that the leader of the Team or its designated staff member may receive it therefrom.

Facility	Amount
Rent of Garage 3,000 Riels/months x 12 months	36,000 Riels (including a care-takers pay)

V. COMPLETION OF THE INVESTIGATION PROJECT

19. The period required for the completion of the Investigation Project including the submission of the progress report is estimated at twelve months from the commencement of the work. This will, however, be affected to a certain extent by the progress of data collection.

/ VI.

VI. SIGNATURES

20. Agreed on behalf of the Parties by the undersigned.

Date: 15 Nov. 1965 — (Signed) Phlek Chhat
For the Government of Cambodia

Date: 7 Jan. 1966 — (Signed) Phouangkeoh Phanareth
For the Government of Laos

Date: 29 Oct. 1965 — (Signed) Boonrod Rinson
For the Government of Thailand

Date: 24 Nov. 1965 — (Signed) Bui-Huu-Tuan
For the Government of
the Republic of Viet-Nam

Date: 24 Jan. 1966 — (Signed) Shotaro Takahashi
For the Government of Japan

Date: 24 Nov. 1965 — (Signed) C. Hart Schaaf
Executive Agent to the Committee
for Coordination of Investigations
of the Lower Mekong Basin